APPENDIX F - TRANSACTION DISTRIBUTION SYSTEM TESTS

TEST CASE 41422-16: BASELINE LOCAL NETWORK (ONE SITE, TWO OR MORE SERVERS)

Purpose: This test case will demonstrate that the Server Monitor screen monitors the status of the source server and the destination server, and the status of TDS and TP on each machine. TP and TDS will be brought down on the source and destination servers, then the destination server will be brought down and up. Then, an attempt will be made on the source server to send a transaction to the destination server followed by attempts to do the same as each TP and TDS is brought up, one at a time. Until finally, with the source and destination servers and their associated TPs and TDSs all brought up, a transaction is received successfully by the destination server.

Tester Information:	**Prerequisites for this test:**
Tester Name: Phone Number: Date(s) of Test:	a. Source and destination Servers must be up b. c.
Test Connectivity: Server ID/Terminal ID: Source Server Server ID/Terminal ID: Destination Server	**Software Versions:** a. b.

NOTES:

1. Servers
   The Source Server will be referred to as SERVER S.
   The Destination Server will be referred to as SERVER D.

2. Procedure to bring down/up TP:
   Click on **GCCS SYSTEM SERVICES**
   Click on **System Services Utilities**
   Click on **Transaction Processor Management**
   Click on **Deactivate/Activate (Transaction Processor)**
   Click on **Transmit**

3. Procedure to bring down/up TDS:
   Click on **GCCS SYSTEM SERVICES**
   Click on **System Services Utilities**
   Click on **Transaction Distribution Management**
   Click on **Transaction Distribution Disable/Enable**
   Click on **Transmit**

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TEST CASE 41422-16: BASELINE LOCAL NETWORK (ONE SITE, TWO OR MORE SERVERS)				
STEP	**TEST STEP / INPUT**	**EXPECTED RESULTS / COMMENTS**	**PASS**	**FAIL/PR**
1	Inform all users of an impending test	This test will require **Server S** and **Server D**.		
2	Login to **Server S** and start up **System Services** application	**Server S** login and System Service applications are successful.		
3	On the **Server S** Source server, from the **System Services** menu (screen SS-000-1), go to the following: Click on **GCCS System Services** Click on **Monitors** Click on **Server Monitor**	The **Server Monitor** screen appears (screen SS-MON-4). **LAST CYCLE TIME:** **Time Displayed** **SERVER NAME:** **Server S** **SERVER ADDRESS:** **(its address)** **PING:** **Blank** **TDS:** **Blank** **TP:** **Blank** **SERVER NAME:** **Server D** **SERVER ADDRESS:** **(its address)** **PING:** **Blank** **TDS:** **Blank** **TP:** **Blank** **Note:** Server names and addresses are different. BLANKS reflect a good status of up and running.		
4	Bring down **TP** and **TDS** on **Server S** (See **Note: 1**)	The **Server Monitor** screen shows: **LAST CYCLE TIME:** **Time Displayed** **SERVER NAME:** **Server S** **SERVER ADDRESS:** **(its address)** **PING:** **Blank** **TDS:** **Time Displayed** **TP:** **Time Displayed**		

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TEST CASE 41422-16: BASELINE LOCAL NETWORK (ONE SITE, TWO OR MORE SERVERS)				
STEP	**TEST STEP / INPUT**	**EXPECTED RESULTS / COMMENTS**	**PASS**	**FAIL/PR**
5	Bring down **TP** and **TDS** on **Server D** Bring **Server D** down by removing its LAN connector	The **Server Monitor** screen shows: **LAST CYCLE TIME: Time Displayed** **SERVER NAME: Server D** **SERVER ADDRESS: (its address)** **PING: Time Displayed** **TDS: Time Displayed** **TP: Time Displayed**		
6	Reconnect the LAN connector on **Server D**	The **Server Monitor** screen shows: **LAST CYCLE TIME: Time Displayed** **SERVER NAME: Server D** **SERVER ADDRESS: (its address)** **PING: Blank** **TDS: Time Displayed** **TP: Time Displayed**		
7	At the **WIS Workstation** Click on **Apple, Command Shell** Click on **File, New** Perform **rlogin** to **Server D** and startup the **System Services** application Click on **GCCS System Services** Click on **Monitors** Click on **Receive Queue Detail** **OR** At the **Sun Workstation** Move arrow to blue part of screen Click on **right most mouse button** Click on **Programs with right most mouse button** Click on **Command Tool using left most mouse button** Perform **rlogin** to **Server D** and startup the **System Services** application Click on **GCCS System Services** Click on **Monitors** Click on **Receive Queue Detail**	**Server D** login and **System Services** screen appears (screen SM-000-1). The **Receive Queue Detail Monitor at Server D** screen appears (screen SS-MON-1).		

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TEST CASE 41422-16: BASELINE LOCAL NETWORK (ONE SITE, TWO OR MORE SERVERS)				
STEP	**TEST STEP / INPUT**	**EXPECTED RESULTS / COMMENTS**	**PASS**	**FAIL/PR**
8	At the **Receive Queue Detail Monitor at Server D:** Click on **Print**	Get printout of **Receive Queue Detail Monitor** and compare it to results in subsequent steps of this test case.		
9	At the **WIS Workstation** Click on **Apple, Command Shell** Click on **File, New** Perform **rlogin** to **Server S** and startup the **Scheduling and Movement** application	**Server S** login and the **Scheduling and Movement** screen appears.		
10	On **Server S:** Click on **Scheduling and Movement** Click on **Add New Carrier and Itinerary** Click on **Sea Cargo/PAX Carrier**	The **Add Sea Cargo/PAX** screen appears (screen SM-A01-S).		

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TEST CASE 41422-16: BASELINE LOCAL NETWORK (ONE SITE, TWO OR MORE SERVERS)				
STEP	**TEST STEP / INPUT**	**EXPECTED RESULTS / COMMENTS**	**PASS**	**FAIL/PR**
11	On the **Add Sea Cargo/PAX Carrier** screen, type the following in the blocks indicated: Carrier ID: ***TDS-SHIP-88*** Ship Name: ***USS HOPE*** Carrier Type: ***BULK*** Click on **Source/MSC** Supported OPLAN:***7000J*** Capacity PAX: ***300*** Capacity MTONS: ***70000*** Capacity SQFT: ***10000*** Capacity MBBLS: ***50000*** LOC (1): ***SBEA*** STP(1): ***O*** Depart(1): ***150800zjan95*** LOC(2): ***STRM*** STP(2): ***U*** Arrive(2) ***010800Zfeb95*** IRCS: ***FULL*** Click on **Transmit**	All of these are valid entries. If an error occurs, a message will appear on the bottom of the screen informing you of the error. The **Add Sea Cargo/PAX Carrier** screen (SM-A01-S) will be refreshed and a message will be displayed indicating **Data has been saved to Data Base.**		
12	Click on **F11-Menu**	Return to Main Menu.		
13	On **Server D:** Click on **Receive Queue Detail Monitor**	On the **Receive Queue Detail Monitor at Server D** screen: Observe: No change.		

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TEST CASE 41422-16: BASELINE LOCAL NETWORK (ONE SITE, TWO OR MORE SERVERS)				
STEP	**TEST STEP / INPUT**	**EXPECTED RESULTS / COMMENTS**	**PASS**	**FAIL/PR**
14	Bring up **TP** on **Server S** (**See Note: 2**)	On **Server D**, at the **Receive Queue Detail Monitor** screen: No change observed. The **Server Monitor** screen shows: **LAST CYCLE TIME:** **Time Displayed** **SERVER NAME:** **Server S** **SERVER ADDRESS:** **(its address)** **PING:** **Blank** **TDS:** **Time Displayed** **TP:** **Blank**		
15	Bring up **TDS** on **Server S** (**See Note: 3**)	On **Server D**, at the **Receive Queue Detail Monitor** screen: No change observed. The **Server Monitor** screen shows: **LAST CYCLE TIME:** **Time Displayed** **SERVER NAME:** **Server S** **SERVER ADDRESS:** **(its address)** **PING:** **Blank** **TDS:** **Blank** **TP:** **Blank**		

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TEST CASE 41422-16: BASELINE LOCAL NETWORK (ONE SITE, TWO OR MORE SERVERS)				
STEP	**TEST STEP / INPUT**	**EXPECTED RESULTS / COMMENTS**	**PASS**	**FAIL/PR**
16	Bring up **TP** on **Server D** (**See Note: 2**)	On **Server D**, at the **Receive Queue Detail Monitor** screen: No change observed. The **Server Monitor** screen shows: **LAST CYCLE TIME:** **Time Displayed** **SERVER NAME:** **Server D** **SERVER ADDRESS:** **(its address)** **PING:** **Blank** **TDS:** **Time Displayed** **TP:** **Blank**		
17	Bring up **TDS** on **Server D** (**See Note: 3**)	The **Server Monitor** screen shows: **LAST CYCLE TIME:** **Time Displayed** **SERVER NAME:** **Server D** **SERVER ADDRESS:** **(its address)** **PING:** **Blank** **TDS:** **Blank** **TP:** **Blank**		

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TEST CASE 41422-16: BASELINE LOCAL NETWORK (ONE SITE, TWO OR MORE SERVERS)				
STEP	**TEST STEP / INPUT**	**EXPECTED RESULTS / COMMENTS**	**PASS**	**FAIL/PR**
18	At the **WIS Workstation** Click on **Apple, Command Shell** Click on **File, New** Perform **rlogin** to **Server D** and startup the **Scheduling and Movement** application **or** At the **Sun Workstation** Move arrow to blue part of screen Click on **right most mouse button** Click on **Programs with right most mouse button** Click on **Command Tool using left most mouse button** Perform **rlogin** to **Server D** and startup the **Scheduling and Movement** application Click on **Scheduling and Movement** Click on **Review/Modify Carrier** On the **Specify Criteria for Carriers** screen fill in the following blocks Carrier IDs to review: ***TDS-SHIP-88*** OPLANS: ***7000J*** Click on **Transmit** (two times) Highlight the block labeled **Carrier and Itinerary** Click on **Transmit** On the **Specify Criteria For Carriers** screen, type the following in the blocks indicated: Carrier IDs to review: ***TDS-SHIP-88*** OPLANS: ***7000J*** Click on **Transmit** (two times) Highlight the block labeled **Carrier and Itinerary** Click on **Transmit**	Verify that the data on the **Review or Modify Carrier-display Options screen** matches that listed in Step 11. On the **Receive Queue Detail Monitor at Server D** screen: The **Queue number** changes. The **number Proc'd** jumps.		

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TEST CASE 41422-17: BASELINE WIDE AREA NETWORK (TWO SITES, THREE SERVERS)	
Purpose: This test case will validate TDS's ability to post transactions to all servers on the LAN and WAN. This is a quick check to ensure that TDS works across the WAN.	
Tester Information: Tester Name: Phone Number: Date(s) of Test:	**Prerequisites for this test:** a. All servers must have S&M up and running with Synced DBs b. Three servers are required; two should be on the LAN and a third on the WAN c.
Test Connectivity: Server ID/Terminal ID: Server ID/Terminal ID: Server ID/Terminal ID:	**Software Versions:** a. b. c.
NOTES:	

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TEST CASE 41422-17: BASELINE WIDE AREA NETWORK (2 SITES, 3 SERVERS)				
STEP	**TEST STEP / INPUT**	**EXPECTED RESULTS / COMMENTS**	**PASS**	**FAIL/PR**
1	Inform users of an impending test	This will ensure that other users do not change system configurations during the testing process.		
2	Open a window on your terminal for each server on the LAN	This is for monitoring the transactions.		
3	Open a window on your terminal for the server on the WAN			
4	Bring up System Services on all servers on the LAN and WAN			
5	Ensure that TDS and TP are enabled on all systems on the LAN and WAN	If TDS and TP are not enabled, see the S&M users manual of the System Administrator on the procedures to bring TDS and TP up on all systems.		
6	Exit System Services on all servers			
7	Bring up S&M on the server you will be using to generate transactions			
8	Using System Services, bring up the receive queue monitors on all of the other servers			
9	Click on **Scheduling and Movement** Click on **Add New Carrier and Itinerary** Click on **Sea Cargo/PAX Carrier**	A Pop-Up Menu is displayed. The **ADD Sea Cargo/PAX Carrier** menu (SM-A01-S) is displayed.		

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TEST CASE 41422-17: BASELINE WIDE AREA NETWORK (2 SITES, 3 SERVERS)				
STEP	**TEST STEP / INPUT**	**EXPECTED RESULTS / COMMENTS**	**PASS**	**FAIL/PR**
10	On the **Add Sea Cargo/PAX Carrier** screen, type the following in the blocks indicated: Carrier ID: ***TDS-SHIP-89*** Ship Name: ***USS HOPE*** Carrier Type: ***BULK*** Click on **Source/MSC** Supported OPLAN: ***7000J*** Capacity PAX: ***300*** Capacity MTONS: ***70000*** Capacity SQFT: ***10000*** Capacity MBBLS: ***50000*** LOC (1): ***SBEA*** STP(1): ***O*** Depart(1): ***150800zjan95*** LOC(2): ***STRM*** STP(2): ***U*** Arrive(2): ***010800Zfeb95*** IRCS: ***FULL*** Click on **Transmit**	All of these are valid entries. If an error occurs, a message will appear on the bottom of the screen informing you of the error. The **Add Sea Cargo/PAX Carrier** screen (SM-A01-S) will be refreshed and a message will be displayed indicating **Data has been saved to Data Base.**		
11	Click on **F11-Menu**	Return to Main Menu.		
12	Click on **Scheduling and Movement** Click on **Review/Modify Carrier** On the **Specify Criteria For Carriers** screen fill in the following blocks: Carrier IDs to review: ***TDS-SHIP-89*** OPLANS: ***7000J*** Click on **Transmit** twice Highlight the block labeled **Carrier and Itinerary** Click on **Transmit**	The applicable data for Carrier ID appears.		

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TEST CASE 41422-17: BASELINE WIDE AREA NETWORK (2 SITES, 3 SERVERS)				
STEP	**TEST STEP / INPUT**	**EXPECTED RESULTS / COMMENTS**	**PASS**	**FAIL/PR**
13	Verify that the data matches that listed in Step 10			
14	Go into S&M on the each of the other servers and repeat Steps 12 and 13	Test is passed if data is on all servers in the test environment.		

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TEST CASE 41422-18: SOURCE SERVER FAILURE	
Purpose: This test case will validate TDS's ability to post transactions to all servers and to hold transactions on a second server until the Source server comes up and can process the transactions.	
Tester Information: Tester Name: Phone Number: Date(s) of Test:	**Prerequisites for this test:** a. Two SPARC 1000s or better b. All servers must have S&M up and running with Synced DBs c. Minimum of two Servers on the LAN d. Source server = Server 1, other LAN Server = Server 2, WAN Server = Server 3
Test Connectivity: Server ID/Terminal ID: Server ID/Terminal ID: Server ID/Terminal ID:	**Software Versions:** a. b. c.
NOTES:	

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TEST CASE 41422-18: SOURCE SERVER FAILURE				
STEP	**TEST STEP / INPUT**	**EXPECTED RESULTS / COMMENTS**	**PASS**	**FAIL/PR**
1	Inform users of an impending test that will cause LAN interruptions	The LAN will be interrupted for a minimum of 10 minutes and most likely longer.		
2	Locate the S&M (GCCS) Source server	The System Administrator, Test Manager, or System Integrator will have this information.		
3	Remove the barrel connector to the LAN from the Source server	This will effectively simulate a crash of the Source server.		
4	Record the time	The server should be disconnected for a minimum of 10 minutes.		
5	Log on to Server 2			
6	Start System Services			
7	Start System Services and ensure that TDS and TP are enabled	**Note:** If TDS and TP are not enabled, enable them. If you need instructions, see the S&M manual or the System Administrator or the System Integrator.		
8	Start the IRM screen			
9	Select a distributed OPLAN			
10	Develop a transaction to process, using a distibuted OPLAN with an IRM function	**Note:** Any transaction will do.		
11	Using IRM, execute the transaction	**Note:** This transaction will fail in posting to the Source server due to the disconnection of the barrel connector		
12	Verify the execution of the transaction on Server 2	Using a System Services queue monitor check that the transaction has appeared on Server 2, back out of S&M and come back in looking up your changes to see if they appear.		

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TEST CASE 41422-18: SOURCE SERVER FAILURE				
STEP	**TEST STEP / INPUT**	**EXPECTED RESULTS / COMMENTS**	**PASS**	**FAIL/PR**
13	Verify the posting of the transaction in the waiting queue	Look in the SS defaults file on Server 2 to get the path to the failed transaction listing.		
14	Reconnect the barrel connector on the Source Server	**Note:** Make sure that the Source Server has been disconnected for a minimum of 10 minutes.		
15	Log on to the Source Server			
16	Start System Services and ensure the TDS and TP are Enabled	**Note:** If TDS and TP are not enabled see the S&M manual, the System Integrator, or the System Administrator to bring them up.		
17	Bring up an IRM screen on Source Server			
18	Verify the existence of the transaction in the Source Server database	Use S&M to determine if the DB has been updated.		
19	Exit out of System Services			
20	Test successful if the transaction are posted to the Source Server and the JOPES database			

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TEST CASE 41422-19: DESTINATION SERVER FAILURE	
Purpose: The purpose of this test is to simulate a failure of one of the servers on the LAN but not on the Source server and to ensure that TDS handles all transactions correctly.	
Tester Information: Tester Name: Phone Number: Date(s) of Test:	**Prerequisites for this test:** a. Sun SPARC 1000s or better b. S&M up and running on all machines with Synced databases c. Definitions: Source Server = Server 1, LAN Server = Server 2, WAN Server = Server 3
Test Connectivity: Server ID/Terminal ID: Server ID/Terminal ID: Server ID/Terminal ID:	**Software Versions:** a. b. c.
NOTES:	

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TEST CASE 41422-19: DESTINATION SERVER FAILURE				
STEP	**TEST STEP / INPUT**	**EXPECTED RESULTS / COMMENTS**	**PASS**	**FAIL/PR**
1	Determine which server is the Source Server and which server(s) are on the LAN Designate one of the servers on the LAN as Server 2			
2	Inform other users on the system of the impending test with LAN interruptions	Purpose is to minimize side effects of testing.		
3	Disconnect Server 2 from the LAN by removing the network cable from server	This is the barrel connecrtor on the back of the server. If you can not reach the back of the machine, see one of the SAs in order to stop the network processes.		
4	Keep the server disconnected for a minimum of 10 minutes You may continue testing, but to fully check out TDS, the server must be down for 10 miniutes or more	The purpose is to have all network processes give up trying to get a message across the network and wait for a restart.		
5	Log on to one of the servers not disconnected from the LAN This will usually be the Source Server			
6	Start System Services and ensure that TDS and TP are enabled	**Note:** If TDS and TP are not enabled, see the S&M manual, the System Integrator, or the System Administrator for help.		
7	Exit out of System Services			
8	Start S&M			
9	Prepare a transaction for processing	Adding a carrier to an existing OPLAN is a simple transaction to create.		
10	Execute to transaction			
11	Exit out of S&M			
12	Start System Services			

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TEST CASE 41422-19: DESTINATION SERVER FAILURE				
STEP	**TEST STEP / INPUT**	**EXPECTED RESULTS / COMMENTS**	**PASS**	**FAIL/PR**
13	Check the System Services send queues to ensure the transaction has been place into the send queue on the Source Server			
14	Exit out of System Services			
15	Reconnect Server 2 to the LAN			
16	Log on to Server 2			
17	Start System Services			
18	Check the receive queue on Server 2 to ensure that the transaction has now been sent			
19	Exit out of System Services			
20	Start S&M on Server 2			
21	Enter S&M on Server 2 to ensure that the transaction can be found			
22	The test is successful if the transaction appears on both the Source Server and on Server 2			

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TEST CASE 41422-20: DISTANT SERVER FAILURE	
Purpose: The purpose of this test is to ensure that TDS properly handles all transactions if the WAN servers become unavailable.	
Tester Information: Tester Name: Phone Number: Date(s) of Test:	**Prerequisites for this test:** a. SPARC 1000s or better b. S&M on all servers in the test setup with synced databases c. Set up two servers on the LAN and 1 server on the WAN d. Definitions: Source server = Server 1, LAN server = Server 2, WAN server = Server 3
Test Connectivity: Server ID/Terminal ID: Server ID/Terminal ID: Server ID/Terminal ID:	**Software Versions:** a. b. c.
NOTES:	

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TEST CASE 41422-20: DISTANT SERVER FAILURE				
STEP	**TEST STEP / INPUT**	**EXPECTED RESULTS / COMMENTS**	**PASS**	**FAIL/PR**
1	Inform other users on the system of the impending test with LAN interruptions	Purpose is to minimize side effects of testing.		
2	Start System Services and ensure that TDS and TP are enabled	If they are not see the S&M manual, the System Integrator, or the System Administrator on how to enable TDS and TP.		
3	Exit out of System Services			
4	Disconnect Server 3 from WAN by removing the network cable from the server	This is the barrel connector on the bvack of the machine. If you cannot reach the back of the server, contact one of the SAs to stop the network processes.		
5	Keep the server disconnected for a minimum of 10 minutes You may continue testing, but to fully check out TDS, the server must be down for 10 minutes or more	The purpose is to have all network processes give up trying to get a message across the network and wait for a restart.		
6	Log on to Source Server or Server 2			
7	Start System Services and ensure that TDS and TP are enabled	If they are not see the S&M manual, the System Integrator, or the System Administrator on how to enable TDS and TP.		
8	Exit out of System Services			
9	Start S&M			
10	Prepare a transaction for processing	Adding a carrier to an existing OPLAN is a simple transaction to create. However, for the purposes of this test the transaction type is up to the discretion of the tester.		
11	Execute to transaction			
12	Exit out of S&M			
13	Start System Services			

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TEST CASE 41422-20: DISTANT SERVER FAILURE				
STEP	**TEST STEP / INPUT**	**EXPECTED RESULTS / COMMENTS**	**PASS**	**FAIL/PR**
14	Check the System Services send queues to ensure the transaction has been placed into the send queue on the Source Server			
15	Exit out of System Services			
16	Log on to Server 3			
17	Start S&M			
18	Check to see that your transaction can now be found by S&M			
19	Exit out of S&M			
20	The test is successful if the transaction appears on Server 3			

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TEST CASE 41422-21: TDS STRESS TEST

Purpose: This test is intended to stress the ability of the Transaction Distribution System. This test will include processing of network files using two servers. The test can be expanded to three servers.

Tester Information: Tester Name: Phone Number: Date(s) of Test:	**Prerequisites for this test:** a. The GCCS Core Database loaded on the servers. b. Each server should have the files 110LO.OFF and 2500T.OFF. c. All queues must be empty before starting the test. d. See NOTES for test setup.
Test Connectivity: Server ID/Terminal ID: Server ID/Terminal ID: Server ID/Terminal ID:	**Software Versions:** a. b. c.

NOTES:

1. This test involves using the server equivalent to H3 files to test the capability of TDS to handle a large number of network transactions. The size of the OPLANs should vary from small (approximately 2000 transactions) up to large (approximately 105,000 transactions). The type transactions used include the following: INITHT, DICHET, SCHEDT, SCHPET, MANIET, JJDSDT, PLNUAT, NRNUBT, NSCGBT, PFMUAT, ROUTHT, SYNCHT, and ULNUBT.

2. Use the following setup steps before running this test. Failure to do so may result in a test failure not attributed to TDS.
   a. Bring TDS and TP down on all servers in the test network.
   b. Delete all transaction data from the file system and database by doing the following.
      (1) On each server, enter SQL and delete data from the following tables: send_queue, receive_queue, smdb_file_transition, failed_transaction_dist_log.
      (2) Quit SQL. At the UNIX prompt, type “cd /h/SM/Scripts/tds”.
      (3) Type “ls -l *td*”. The system will show all files in the six TDS directories. These directories are tds_inprogress, tds_inqueue, tds_ready, tdc_inprogress, tdc_ready, and xtds_dir.
      (4) Remove all files in all these directories. Do this by changing to the directory containing files and typing “rm *”. **Caution:** There is no recovery once pressing the “Enter” key.
      (5) Repeat Steps 1 though 4 for each server.
   c. Delete old stress test OPLANs to ensure sufficient tablespace is available to run the test.
   d. For every server in the test network with archiving turned on, set the automated redo_log backup to 15 minute intervals. Before executing this test verify that redo logs are actually being copied to tape by reviewing the redo_log back status within the Backup and Recovery program. This step must be accomplished by someone with oradba privileges.
   e. Set the journalling time interval to 10 minutes on the servers designated for this test.
   f. Bring TDS and TP up on all servers within the test network.

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TEST CASE 41422-21: TDS STRESS TEST				
STEP	**TEST STEP / INPUT**	**EXPECTED RESULTS / COMMENTS**	**PASS**	**FAIL/PR**
1	Log on to the server (**Server Name 1 or Server Name 2**) Enter **GCCS System Services** Click on **Plan Management ▸ Reload Plan**	The **Reload Plan(s)** screen appears. Requires one person per server. The **Reload Media:** defaults to **Directory** and the default pathname.		
2	Change the disk default Directory Pathname to the directory where the plans are stored, e.g., ***/export/home/smtest5***	Data is accepted.		
3	Enter ***2500T*** in the first **Plans** field In the first **Reload Plan ID** field, change ***2500T*** to ***2550A*** if on Server 1 and ***2551A*** if on Server 2 Click on **Reset Carrier Names** (do this only for 2500T)	The small OPLAN is ready to load. This plan includes ULNs, CINs, PINs, Force Module and Scheduling and Movement data. By selecting **Reset Carrier Names**, all Scheduling and Movement transactions will process. If the tester does not do this, the Scheduling and Movement transactions will fail on the sending server because the carrier already exists. The failed transactions will not be sent to the receiving server resulting in different transaction numbers between the two servers.		
4	Enter ***110LO*** (**One, One, Zero**, the letter **L**, and the letter **O**) in the second **Plans** field In the first **RELOAD PLAN ID** field, change ***110LO*** to ***181SR*** if on Server 1 and ***182SR*** if on Server 2 Click on **Transmit**	The large OPLAN is ready to load. This plan includes ULNs, CINs, and PINs data. The **Pop up Message** screen appears showing **Do You Wish to Continue with the Reload**.		
5	Click on **F6-YES**	The system will report that the OPLAN is being reloaded. Shortly thereafter, the **Plan Maintenance** (SS-IRM-1) screen appears.		
6	Click on the **Distributed** box	Box turns red and the **Enter Sites** option appears.		

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TEST CASE 41422-21: TDS STRESS TEST				
STEP	**TEST STEP / INPUT**	**EXPECTED RESULTS / COMMENTS**	**PASS**	**FAIL/PR**
8	Click on the **Enter Sites** box	Box turns red and the **Plan Maintenance Site Identifiers** screen (SS-IRM-3) appears.		
9	Type ***Server Name 2*** (if you are logged onto ***Server Name 1***. If on ***Server Name 2***, type ***Server Name 1***.) Click on **Transmit**	The OPLAN will be initialized on the server as a network OPLAN. The **PLAN MAINTENANCE** (SS-IRM-1) screen reappears.		
10	Click on **Transmit**	The **Pop up Message** screen appears showing, **Perform Reload of Indicated Oplan?**		
11	Click on **F6-Yes**	The system will return a message basically stating the OPLAN initialization is successful. The **Plan Maintenance** screen will disappear. The **Reload Plan(s)** screen (SS-IRM-8) will appear. Also, an **XTP Message** window will appear in the upper right corner. Transaction status will be displayed in this window. The last message in this window contains the name of the log/report file. The report file provides a summary of transaction activity followed by an accounting of each transaction. At the end of the first reload, the **Pop up Message** screen appears with the following message, **Do You Wish to Continue with the Reload**.		
12	Click on **F6-Yes**	The system will report that the OPLAN is being reloaded. Shortly thereafter, the **Plan Maintenance** (SS-IRM-1) screen appears.		
13	Repeat Steps 6 through 12 to reload the second OPLAN	Transactions associated with both OPLANs will be loaded on the server and will be processed by TDS.		

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TEST CASE 41422-21: TDS STRESS TEST				
STEP	**TEST STEP / INPUT**	**EXPECTED RESULTS / COMMENTS**	**PASS**	**FAIL/PR**
14	Click on **F10-Back**	The **System Services** screen (SS-000-1) appears.		
15	Click on **F12-Exit**	Exits the application.		

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